

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**



Replacement Sheet

1/16

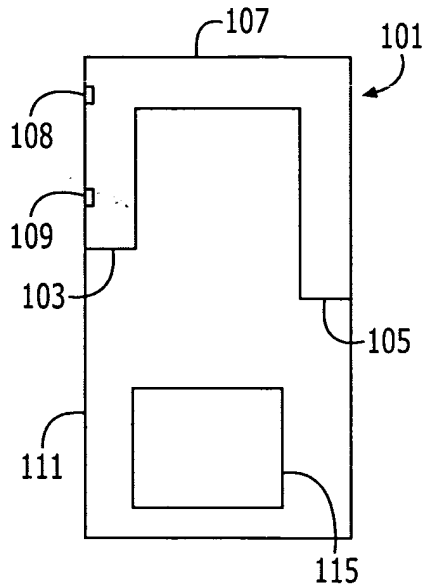


FIGURE 1a

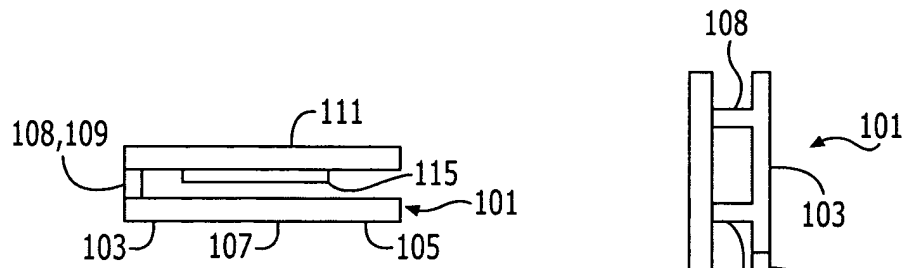


FIGURE 1b

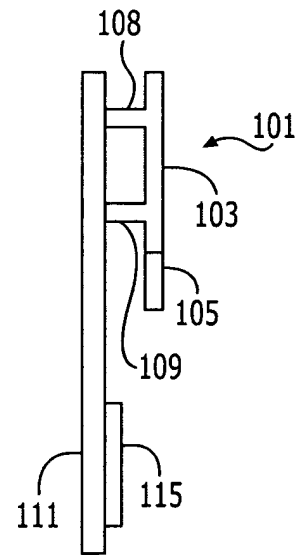


FIGURE 1c



Replacement Sheet

2/16

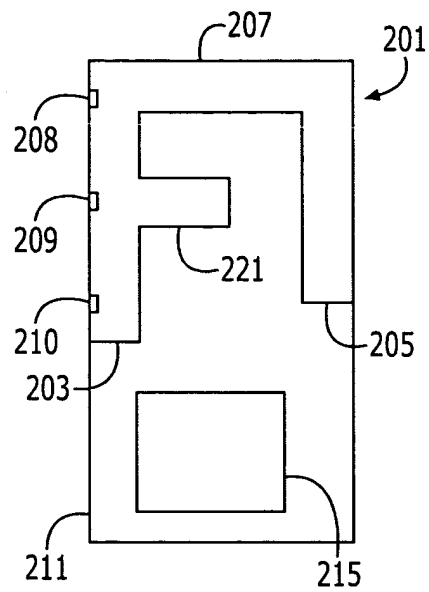


FIG. 2a

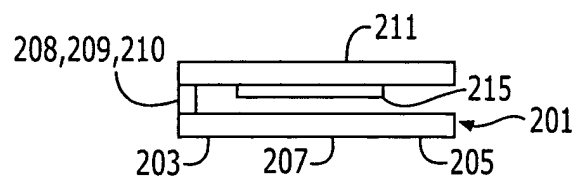


FIG. 2b

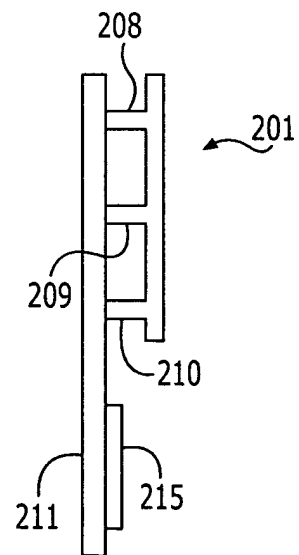
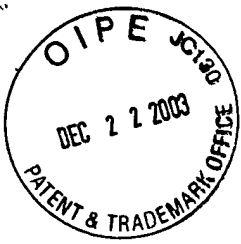


FIG. 2c



Replacement Sheet

3/16

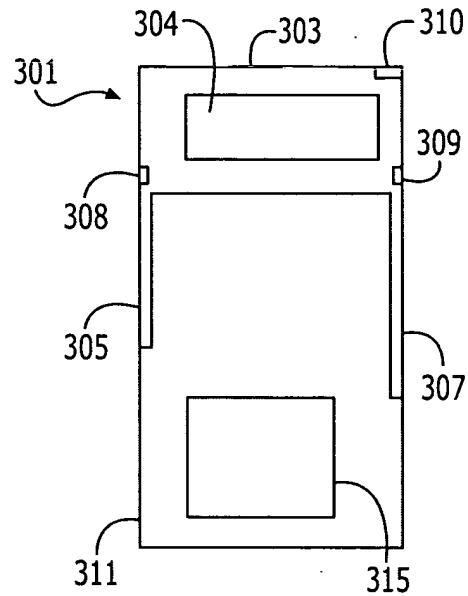


FIGURE 3a

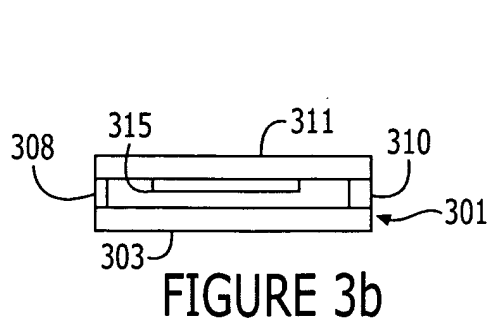


FIGURE 3b

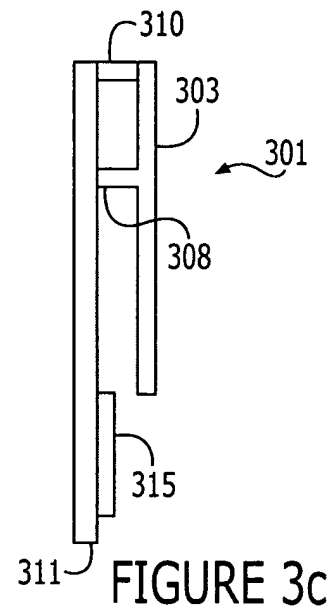


FIGURE 3c

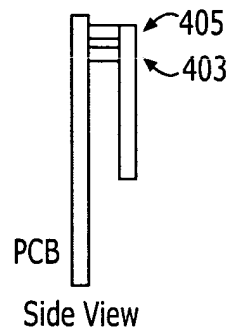


FIGURE 4a

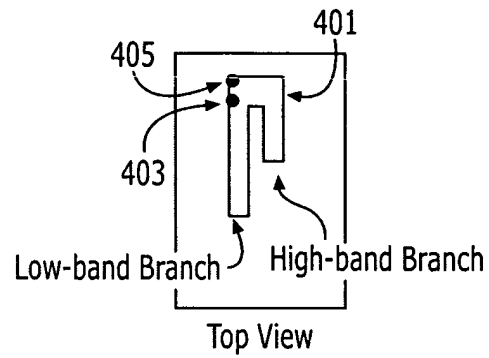


FIGURE 4b

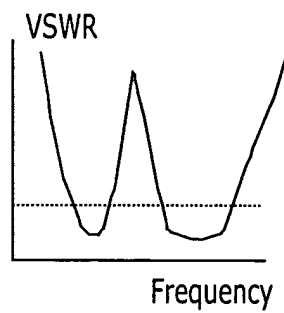


FIGURE 4c

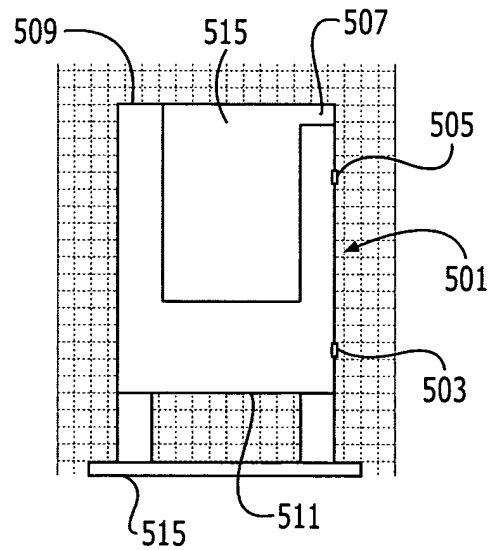


FIGURE 5a



Replacement Sheet

5/16

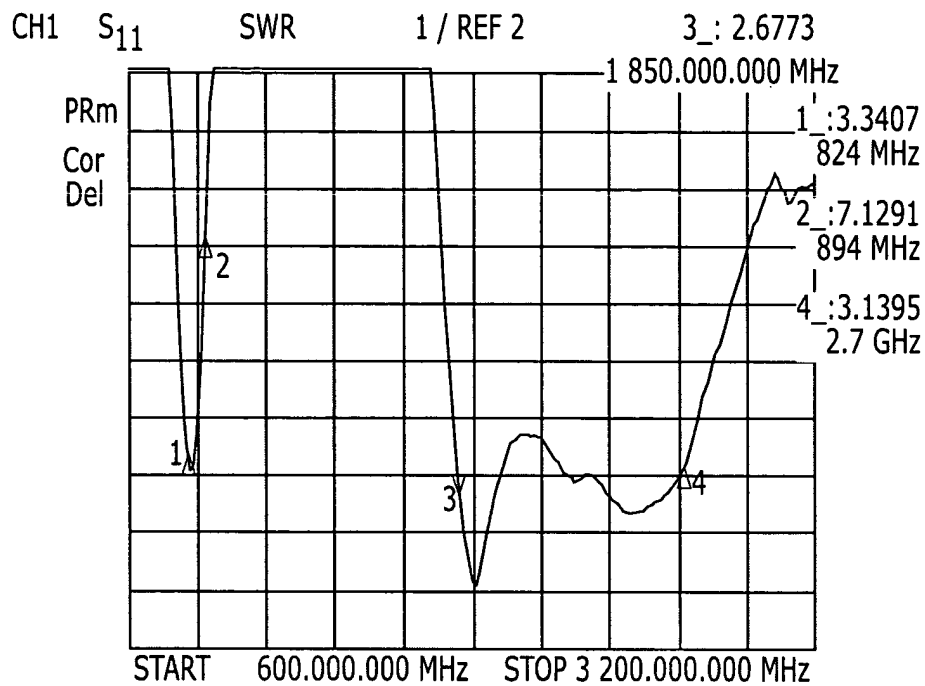


FIGURE 5b

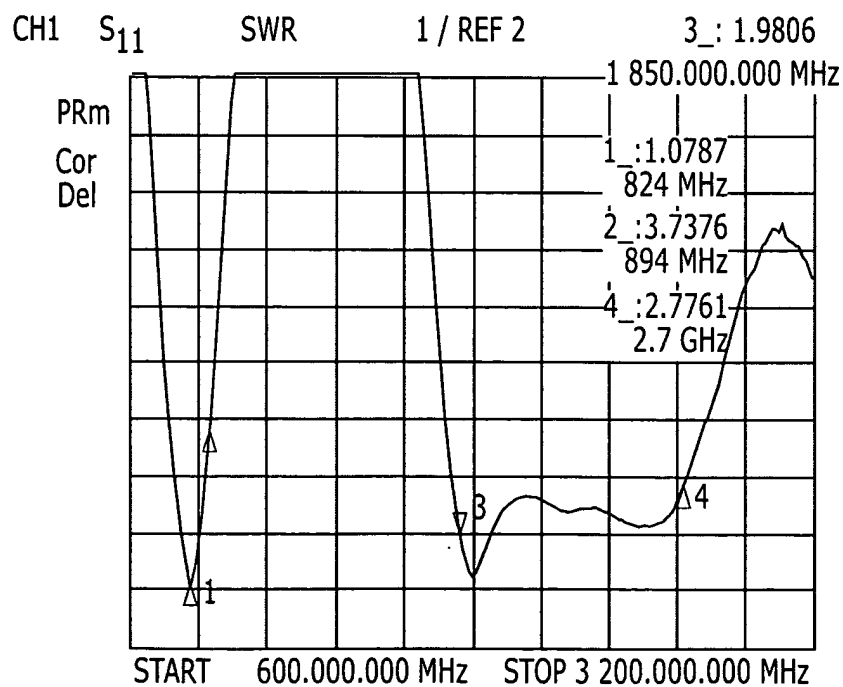


FIGURE 5c



Replacement Sheet

6/16

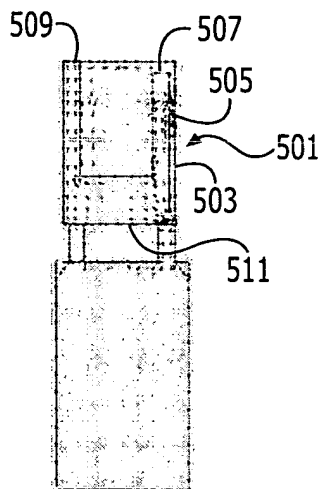


FIGURE 5d

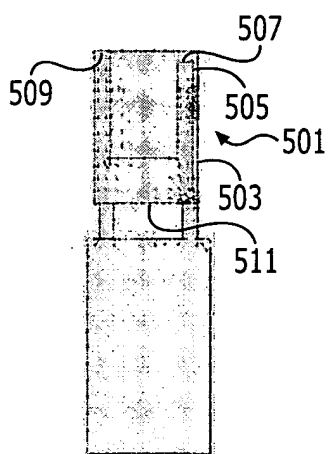


FIGURE 5e

7/16

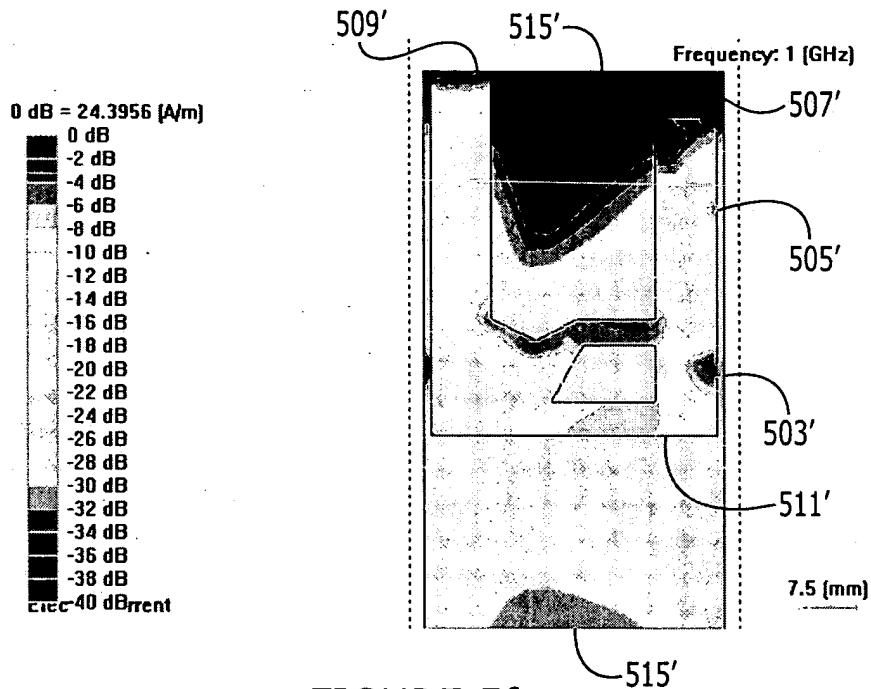


FIGURE 5f

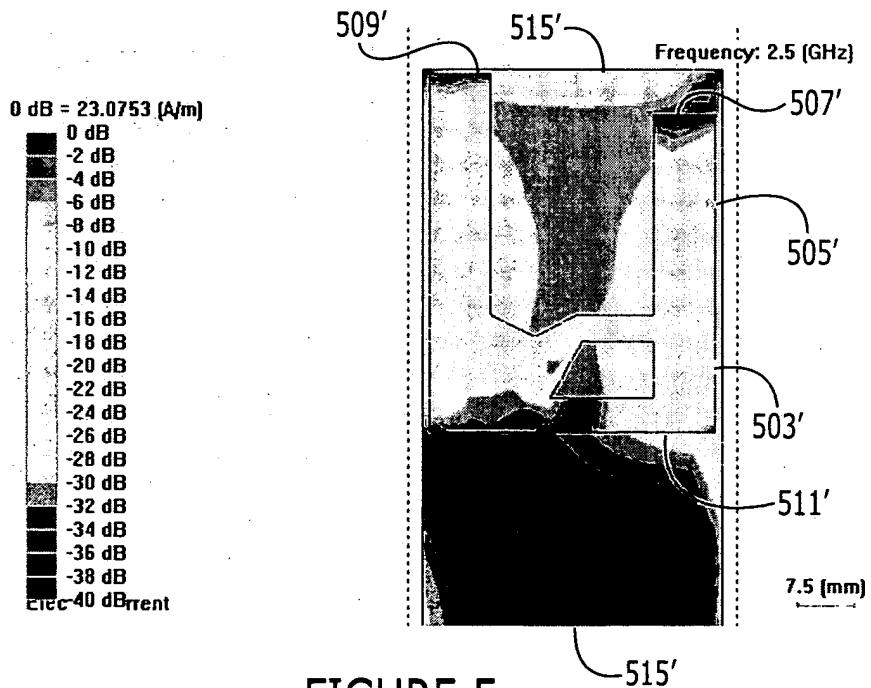


FIGURE 5g



Replacement Sheet

8/16

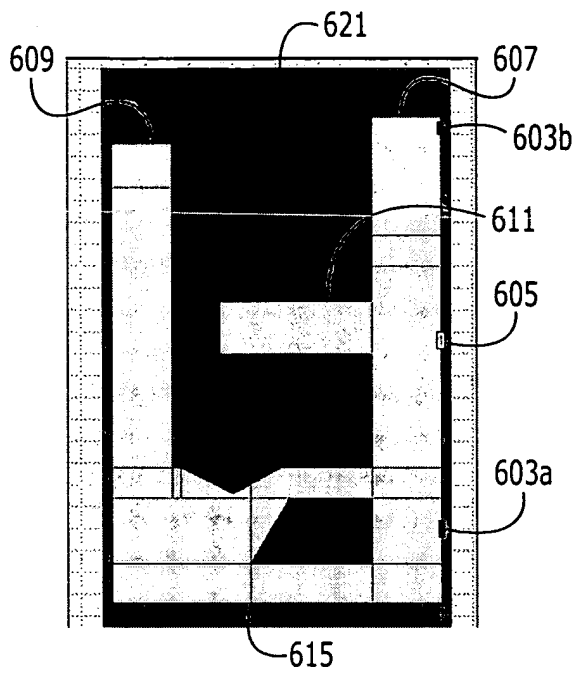


FIGURE 6a

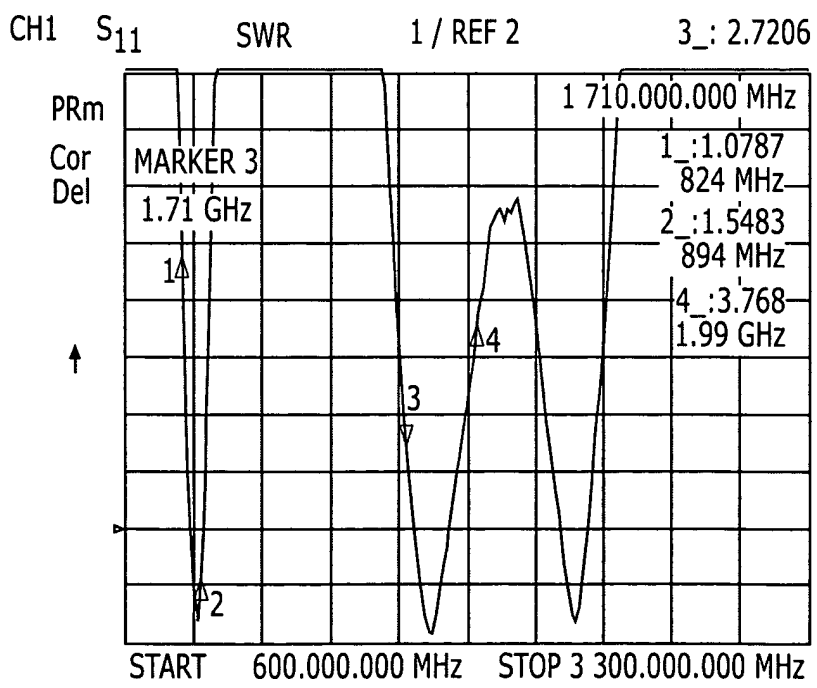


FIGURE 6b



Replacement Sheet

9/16

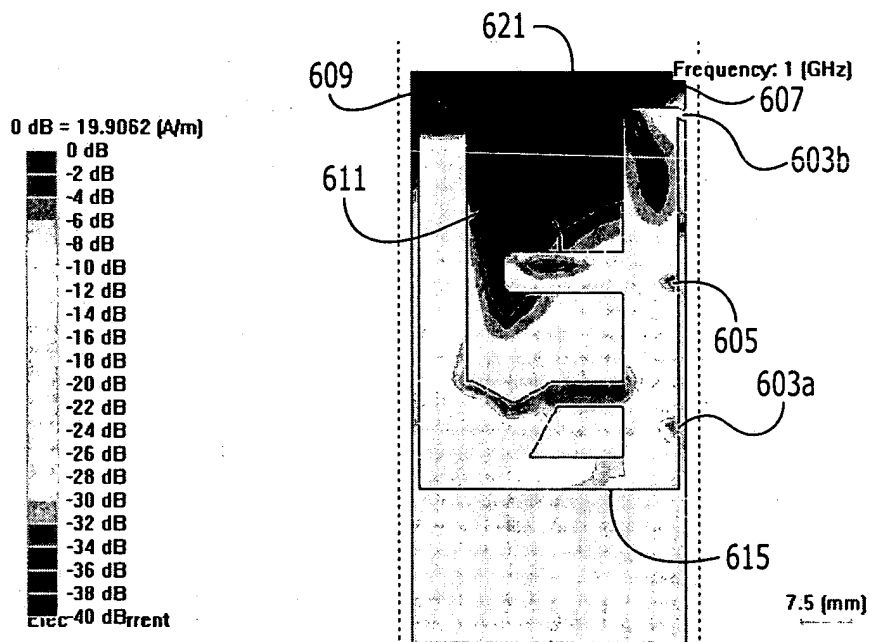


FIGURE 6c

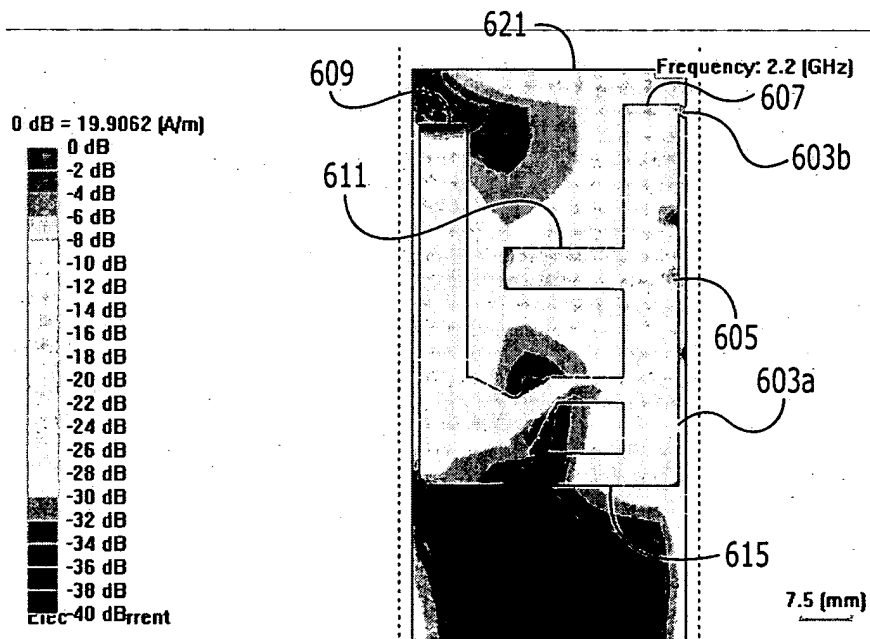


FIGURE 6d



Replacement Sheet

10/16

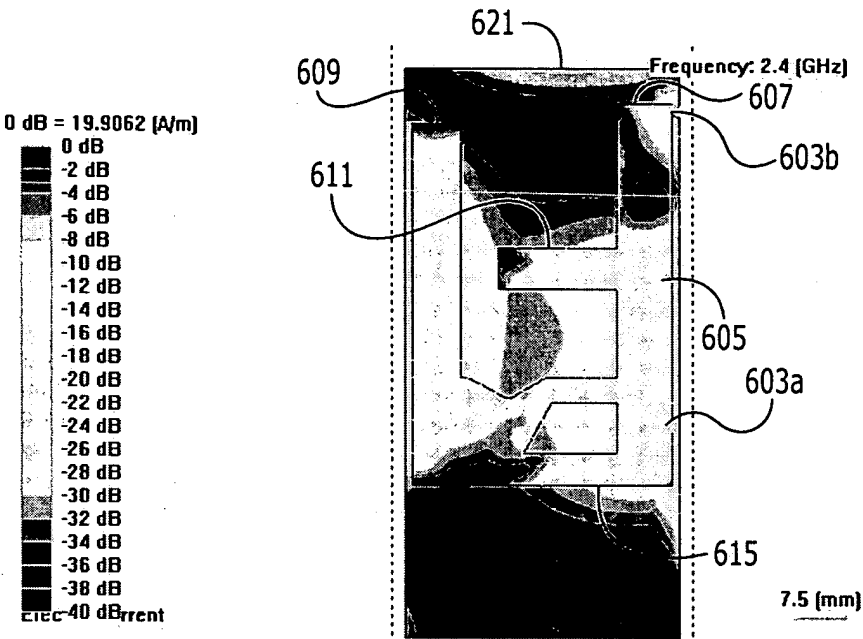


FIGURE 6e

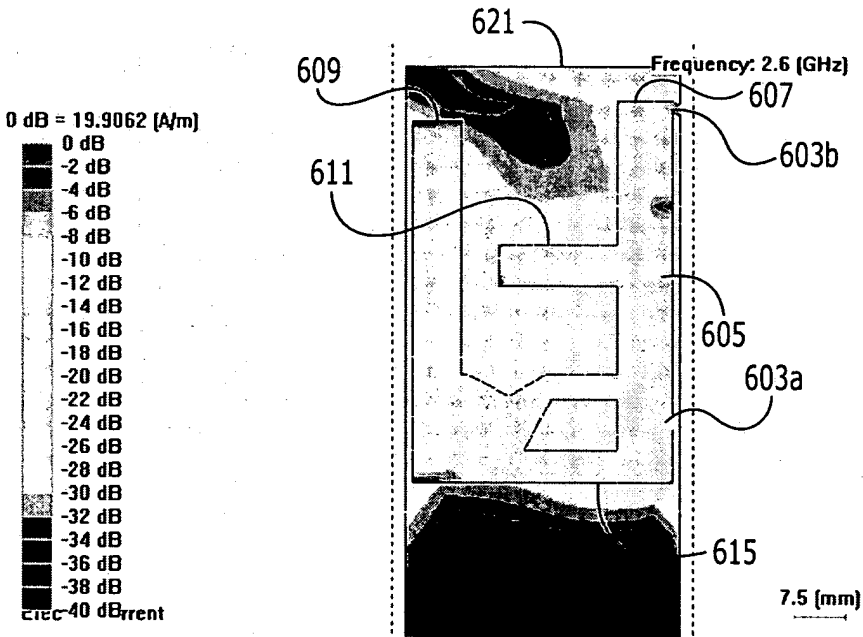


FIGURE 6f



Replacement Sheet

11/16

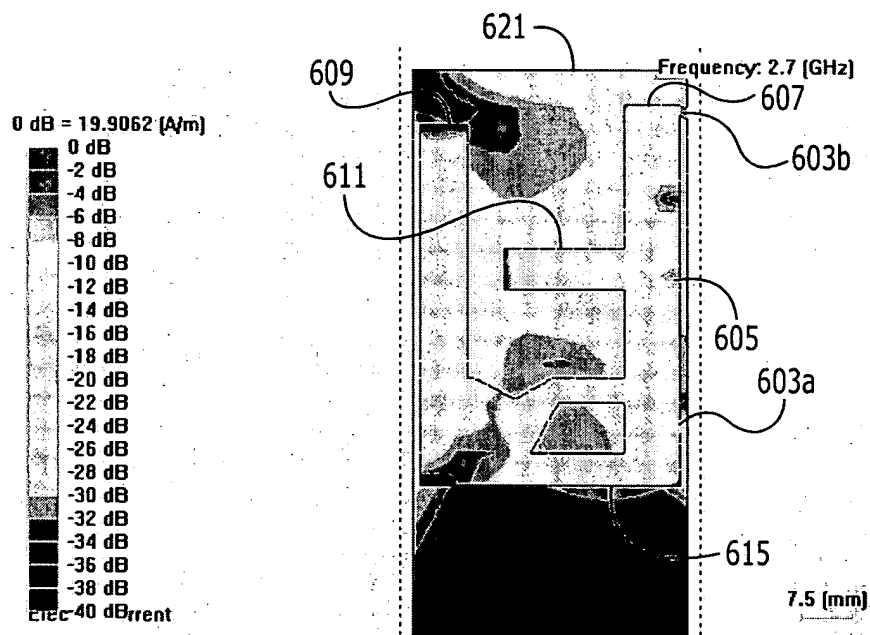


FIGURE 6g



Replacement Sheet

12/16

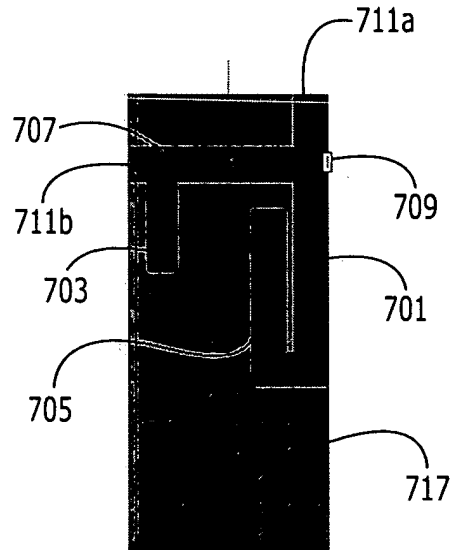


FIGURE 7a

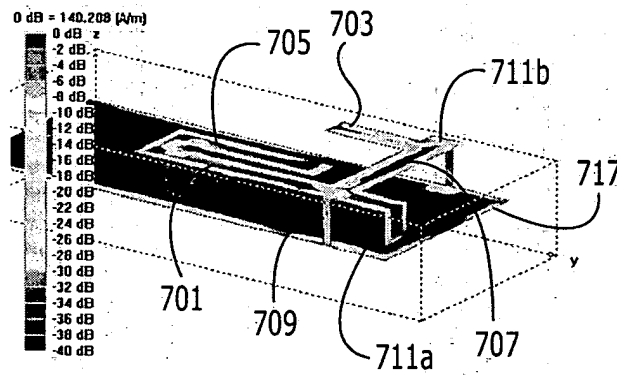


FIGURE 7b



Replacement Sheet

13/16

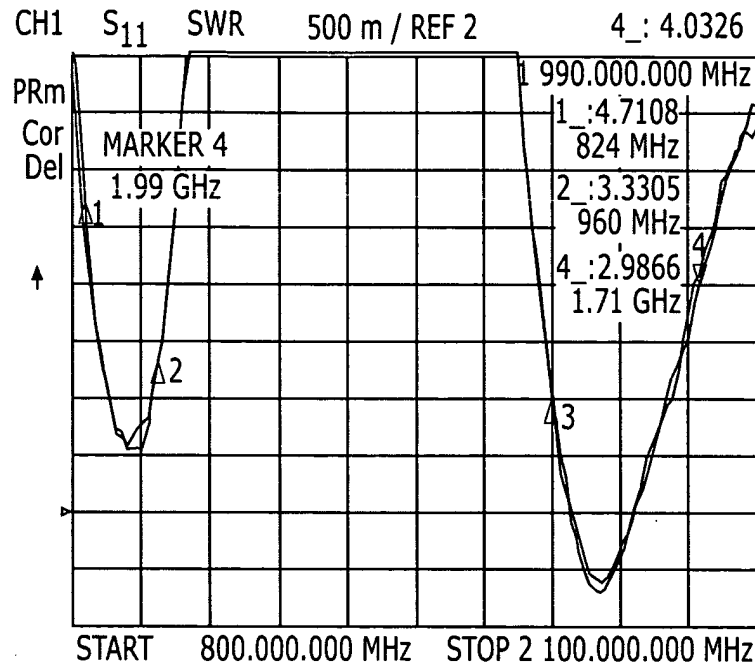


FIGURE 7c

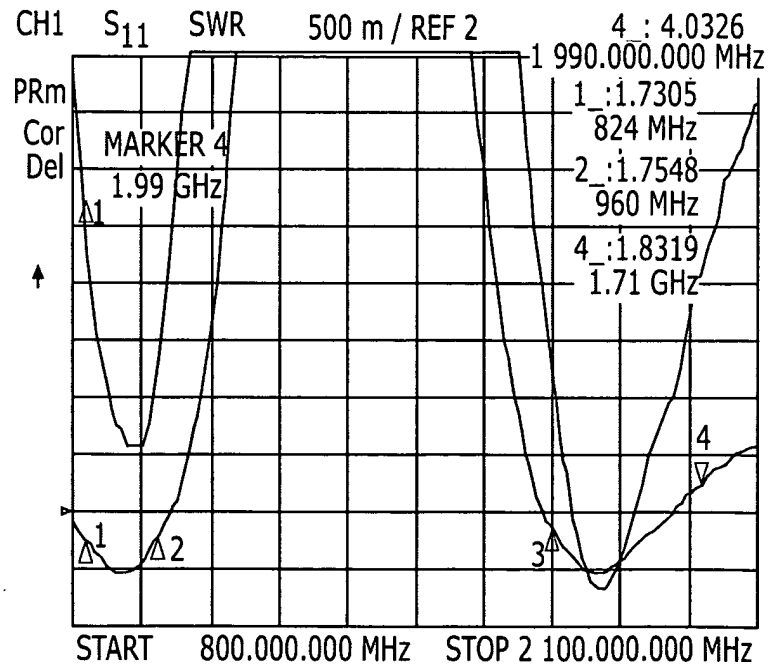


FIGURE 7d

14/16

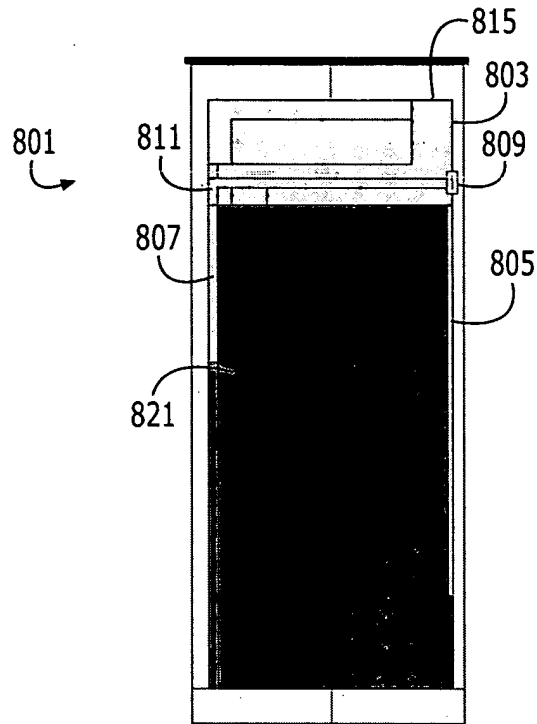


FIGURE 8a

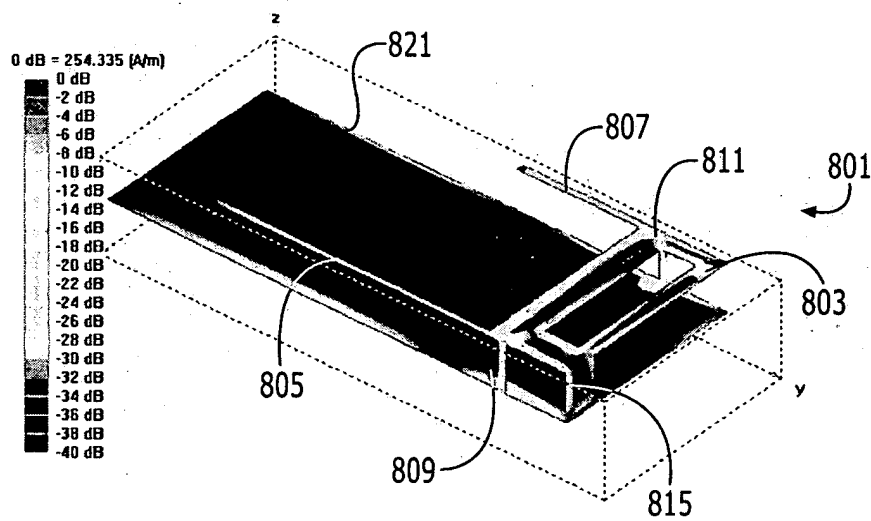


FIGURE 8b



Replacement Sheet

15/16

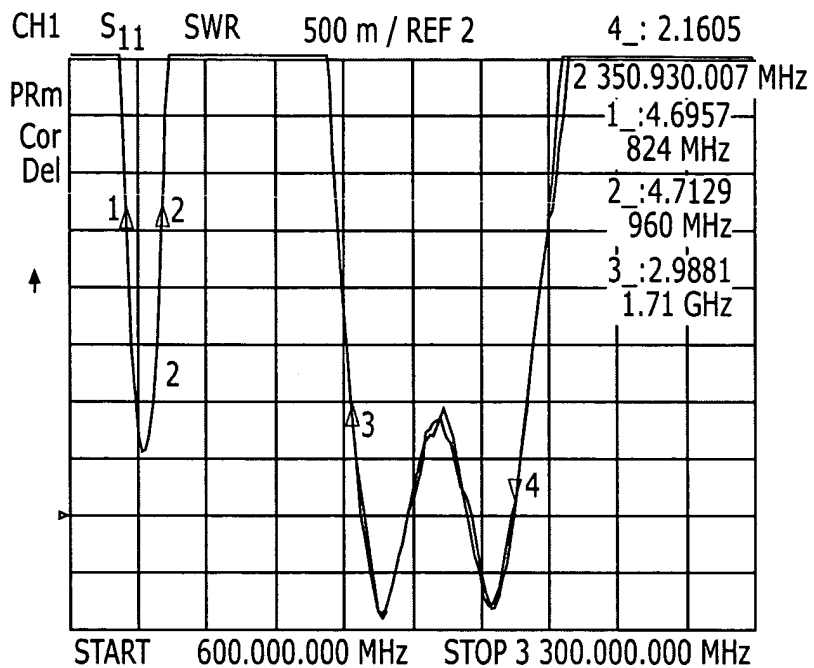


FIGURE 8c

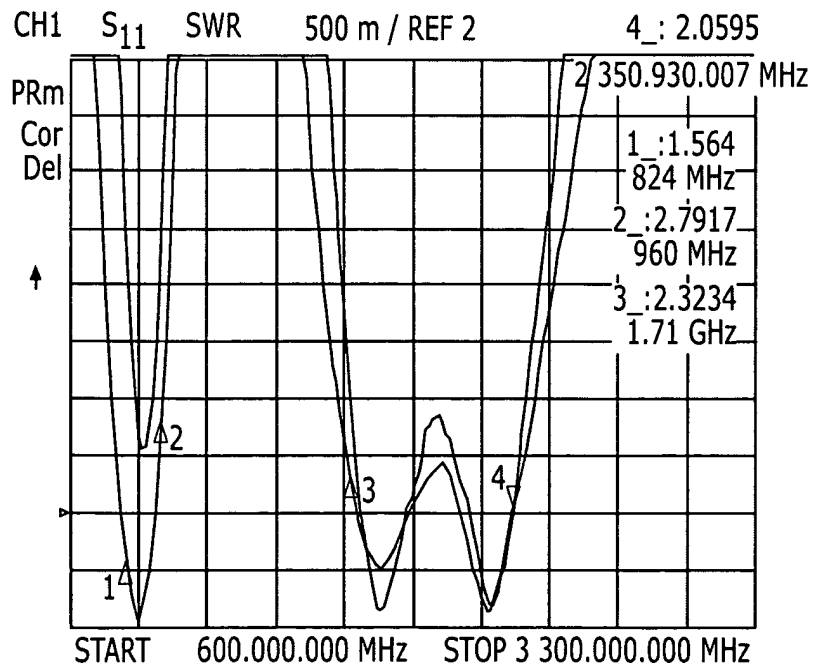
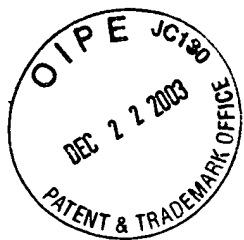


FIGURE 8d



Replacement Sheet

16/16

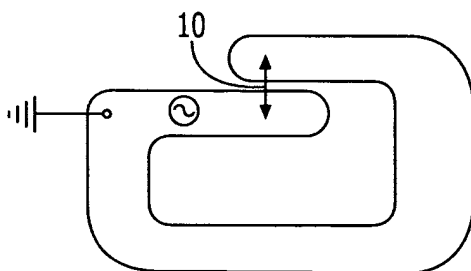


FIGURE 9
(PRIOR ART)